SCIENCE AND INVENTION.

Work of the World's Busy Brains in Discovering, Inventing and Creating.

ABALONES.

A new and quite important industry has developed on the Pacific Coast in A Wonderful System for Relieving Street the gathering of abalones. The word has four syllables, with the accent on the third. The abalone is a gigantic sea snail, whose natural home is the deep water off a rocky coast, and this is the description of the coast of central and lower California from Cape Mendicino to Capt St. Lucas. The supas fast as one part of the ground is worked over it is refilled by fullgrown shell-fish coming in from the ocean. Within three months after thoroughly clearing off the ground it is as thickly weighs as much as two pounds of good, of the merchants and manufacturers, in evidence in almost every woman's wholesome, easily-assimilated food. The Chinese and Japanese are very fond of the fish, but have only a limited coast upon which they will grow. Therefore, there has a great business grown up in diving to the bottom of the sea in searching for them. The custom has been to lay these fish out in the sunshine to dry, which reduced them to about one-third and made a dry, tough, horny product which had to be ground into powder before it could be used for making soup and other food. The Japanese improved somewhat upon this process by treating the abalone as we do clams and oysters when they are canned. Some time ago the attention of the Americans was drawn to the abalone matter and the endless quantities to be had in California, and straightway the active American mind began devising ways of putting the product into the market in the best shape. A process was at last developed by which the flesh of the sult a great company has been incor- shipment. These facilities enable the appliance and her idea is a unique one porated and built a large cannery at business houses to build downward as to save the knuckles of the washer. It Cayucos, in San Luis Obispo County. well as upward, and basements are be-The work is done in a large number of ing constructed several stories deep. boats, each of which carries two Jap- The goods are taken from the railroads anese divers. One of these goes down in these by specially designed elevafor three or four hours and then is re- 000 pounds. of the abalone at the factory every district of Chicago comprises about one part is made profitable. The flesh and a half square miles of territory juice are prepared as oysters are and passenger stations and freight depots can be used in as many different ways. of the 25 trunk lines which make Chi-The viscera are used for glue and the cago the greatest railroad center in shells furnish mother-of-pearl for the the world. It is estimated that the button trade. These shells are sent to freight handled daily at the freight the East and to Europe and bring depots in Chicago amounts to more from \$35 to \$135 per ton. Much of the than 112,000 tons, and with the pres canned product goes to China and ent facilities afforded by the tunnel will Japan, but the Pacific Coast people relieve the congestion and facilitate are coming into the habit of eating the transaction of business in the busiabalones and all the leading hotels ness section, removing about 80 per and restaurants in San Francisco have cent of the heavy teaming from off the

made in the use of epsom salts as an concrete. The walls are 10 inches thick anesthetic. The discovery was made with 14 inches bottom. They are six by Dr. S. J. Meltzer and Dr. John Auer, of New York, who have been making a an average depth of 40 feet below long series of tests at the Rockefeller grade. Research Laboratory. These tests have been confirmed by surgeons at the various hospitals. It is used as a solution a great advantage over a brick one, as injected into the veins of the patient, streets. In using brick it is impossiand the action is very rapid. Respira- ble to dig a tunnel so true that the tion is checked, and a general paral- trick will fit snug, consequently they ysis of the whole body ensues. If the are obliged to back fill with clay injection be subcutaneous the influence This leaves voids, which are bound to is more gradual, but complete uncon- cause settlement. In the use of consciousness results. If the solution be crete it is necessary to tamp the conapplied only to a particular trunk crete tight to get a perfect bond, and in nerve, its influence is limited to the ter how uneven, making it an imposlimb or other locality to which the sibility for any chance of a settlement. nerve normally ministers.

Finally, if "lumbar puncture" be resorted to, only that portion, of the date, the company has not received one body below the waist is affected—that complaint of any damage having been is to say, the abdominal region and the done to the streets of Chicago or adlegs-while the upper part of the body retains its sensibility and the mind its nel has already been constructed up faculties. Lumbar puncture is pierc- to the present time. The system now ing the spinal cavity near the lumbar vertebrae (in the small of the back).

The full effect is not produced for about three hours. It should be added warehouses, wholesale houses, retail that a severe case of tetanus was cured houses, manufacturers, etc., as fast as in 36 hours by this treatment. Recov- the alterations necessary in the buildbe hastened by in common self. common salt.

A wonderful deposit of copper is now Taylor streets. being worked in the Grand Canyon of the Colorado. The mine is in a formation more than 1,000 feet below the two feet, and the Illinois Steel Com- ing a litter on each side of the mule. rim of the canyon and is so great that pany 4%-inch 56-pound rail was the width of the vein is at places 500 is fastened by U-bolts to a specially feet. So far the ore is gotten out en- designed cast-iron chair embedded in tirely by hand labor under much diffi- the concrete floor of the tunnel. The culty, and the ore has to be carried up es in use necessitated by all the street to the rim of the canyon upon the intersections, turnouts or by-passes backs of burros, which also carry it to leading to the different buildings, made the railway, 14 miles away, where it is it imperative that this part of the track hauled 615 miles farther to the smelter at El Paso. The company expects to boiled to steel plates that extend over use the waterpower to operate an elective entire crossing, and this embedded trical tramway and a telfer system; in the concrete floor.

that is, buckets running along upon a

It is intended that automatic section

The entire crossing, and the concrete floor.

It is intended that automatic section use doubtful if any dam could be built to any other part of the system. withstand the force.

"Limb Appliance."



smooth over and fill out their deficiencies in limb and give them the legs of an Apollo. He has obtained a patent for a pair of drawers having the tent for a pair of drawers having the necessary pads to give shapeliness to the total as the average cement of the legs of the legs pads to give shapeliness to the legs of the legs pads to give shapeliness to the legs of the legs pads to give shapeliness to the legs of the legs precaution is taken to avoid accidents. The formal accidents. The many connections already made it with the interior isolated from the drum, a removable bonnet bolted to the chamber and as smooth as the average cement connecting the drums and the chamber and the chamber and the chamber are the legs of the legs

CHICAGO'S UNDERGROUND RAIL-

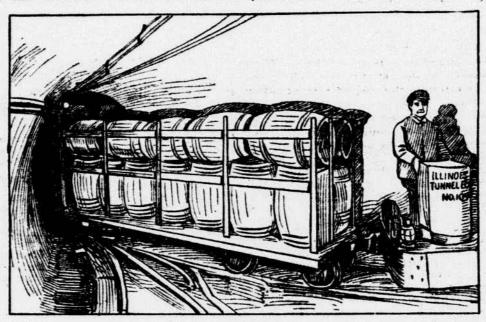
Enterprising Chicago has astonished the world by a system of underground communication, which relieves the terrible congestion of heavy trucks which is found in the business portions of other great cities. In the course of several years there has been constructply of the shell-fish seems limitless, for ed under the principal streets 33 miles of tunnels six feet wide by seven feet six inches high, in which are railroads excavations, debris of torn-down build- termission. ings, etc., etc. This system has been covered as ever. A large-sized abalone arranged for the greatest convenience

Work of the Patent Office. For the week ended Dec. 12, the Patent Office issued 666 patents, 15 designs, 109 trade-marks, 14 labels, five prints and eight reissues, making a toal of 817, of which 601 patents and 127 trade-marks went to citizens of the United States and 80 patents and one trade-mark to citizens of foreign coun-



blow soap bubbles continuously. It is six inches high, in which are railroads a cup with a pipe permanently fixed in that carry the heavy merchandise, coal, it. When the soap suds are put in the building material, refuse, dirt from cup bubbles can be blown without in-

Clothes Washer. Though the wash-tub is a great deal



A LOADED CAR IN THE CHICAGO TUNNEL

tors, which will carry as much as 30,-

and is completely surrounded by the abalone dishes on their regular bills- streets. This underground electric and track construction, the tunnel as A most important discovery has been built being egg-shaped, with walls of

Advantages of Concrete.

The concrete tunnel is said to have there is no chance for settling of the so doing it fills up every void no mat-It is with just pride that the management can say that from the time the work was started, up to the present

joining property. More than 175,000 lineal feet of tunreaches every passenger depot and freight house, and connections are bethe Lake Shore & Michigan Southern, in their new freight house at Clark and

wire from the mouth of the mine to insulators and throw-offs will be in use the rim of the canyon. The difficulty at all street intersections. This arrange about this plan is that when the floods ment enables the current to be cut out come such a volume of water tears in any block during temporary repairs down through the canyon that it is without shutting off the current from

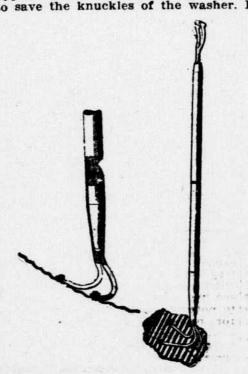
The cars are 12 feet six inches in length over all and 47 inches in width They are of steel and iron construc Arthur M. Valentine, Janesville, Wis., tion throughout, and can be used either comes to the relief of crooked legged as a gondola or a flat car, and every men with a pad for drawers which will car is equipped with the M. C. B. couphas a number of novel features. The upon a curve of 15-foot radius. Well-Lighted Throughout.

out by electricity. The current for tented a boiler which is a combination light and power is supplied at pres- of a drum, a chamber connected with ent by the Chicago Edison Company Power for the trains is furnished by a 5,000-horse-power generating plant. Direct current at 250 volts, the rails furnishing the return, is the system in

The Northwestern University has deed a tract of land on the Chicago River at Twenty-fourth to the Tunnel Company, where it erects its own power house. The company also erects large warehouses where it will be possible for merchants who have only a limited amount of space to store a large supply of goods drawing upon the same as needed. These warehouses the company erects on its own property on the west bank of the river at Taylor

At each street intersection of the tunnel there is an automatic phone, and all trains are operated by this system. The cables for the telephone system are hung from the roof of the tunnel with a specially designed adjustable strap. Guards are sta-tioned at street intersections and every precaution is taken to avoid accidents

having branch lines which run direct- life it has been neglected almost ally into the basements of their build- together by female inventors. Emma and the salts in the water and mix the abalone is rendered as soft and succulings, to bring in goods, raw material, lent as that of the ovster, and as a relent as that of the oyster, and as a re- etc., and take out that intended for tention to this indispensable household wax after corking and make a hole



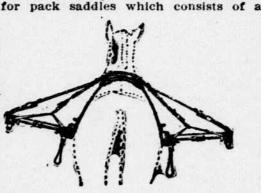
is a fork carried on a handle and on the prongs a concaved plate the corrugations of which represent the knuc-

kles of the hand. Wire Stretcher.

Warren A. Steere, Harford, Pa., has patented a wire fence tool which is a

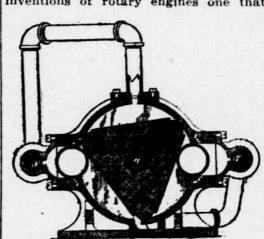
combination of about all the tools that a builder requires.

Litter Frame for Pack Saddles. Henry W. Daly, Leavenworth, Kan., has received a patent for a litter-frame



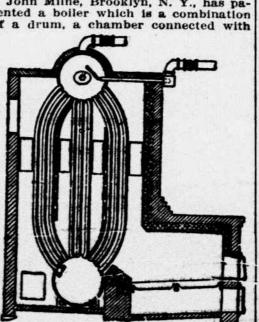
pair of frames hinged together so a The permanent track has a gauge of to fit over a pack animal and support-

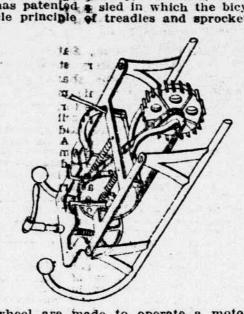
> Rotary Engine. Adam S. Dickison, Woodbury, N. J. has added to the innumerable list of inventions of rotary engines one that



ler. The weight capacity of the car is revolving portion is triangular and at liberated, would be just about enough 30,000 pounds. The double tracks are each corner has rollers which revolve to make a small trout stream, gives a so built that the cars readily operate against other rollers that open and close the steam and exhaust ports.

The tunnel is well lighted through- John Milne, Brooklyn, N. Y., has pa-





Combined Crosscut and Rip Saw.

Frederick A. Wuest, Lawrenceburg, Ind., has obtained a patent for a com-



bined crosscut and rip saw which is double ender as well as a double sider and is used one way to cut and the sistence of the parasites in their carother way to rip.

WEATHER GLASSES.

Storm Indicator.

Here is a method of making old fashioned weather glasses containing a liquid that clouds or solidifies under certain atmospheric conditions:

Camphor 2½ drachms Water 9 drachms Saltpeter 38 grains

Dissolve the camphor in the alcoho through the cork with a red hot needle hele remains. When the camphor, etc., appears soft and powdery, and almost filling the tube, rain with south or southwest winds may be expected; when crystalline, north, northeast or north west winds, with fine weather, may be expected; when a portion crystallizes weather: The substance remains enstance will rise gradually, liquid will be very clear, with a small star in mo-A coming storm or very high wind: Substance partly at top of tube, and be of a leaflike form, liquid very heavy and in a fermenting state. These effects are noticeable twenty-four hours before the change sets in. In Winter: Generally the substance lies stars in motion. Summer weather: pans were classed among his majesty's but when attempts are made to combine even these definite losses for a substance will lie quite low. The jewels.

BIG WIRELESS PLANT.

A Station to Cover Nearly All of Europe.

It is expected to cover a circuit of not less than 932 miles. This station will mabel S. Nelson, a British psychologist, convey not only messages to and from Germany, Switzerland, France, Great Britain and Denmark, but also with the right than the left ear. Men observations have convinced freed from unusually severe fires in the fered from unusually severe fires in the france adjusted at \$3,500,000, in addition to a known expense for fire fighting of \$175,—with the right than the left ear. Men observations have convinced freed from unusually severe fires in the france is worthy of confidence upon the grant form the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the firm is worthy of confidence upon the grant form unusually severe fires in the s It is expected to cover a circuit of not the larger part of Italy, Sweden and Norway, and even portions of Spain, the Balkan Peninsula and Russia; to the southeast it will operate as far as Saragossa; in the south it will almost reach Naples and Cetinje, in the east get close to St. Petersburg, and in the north it will talk to the people at Drontheim and about half way up to Narvík. German vessels homeward bound from America will be able to communicate with the German station at Norddeich when they are still on the Atlantic far beyond Land's End. 12 degrees west of Greenwich. The installation at the station will be set up by a Berlin firm supplying machinery, apparatus and accessories for wireless telegraphy, according to the system called 'telefunken.'

"At first it was proposed to erect this gigantic telegraph station on the island of Borkum, but finally Norddeich at Norden was chosen as the northernmost corner of the German Empire. laid and the work of erecting the iron superstructure will soon begin. I am informed that the entire plant, including dwellings for the officials and employes, will be completed during the month of November, and that by the beginning of the next year this latest and largest telegraph station will be ready for performing its work."

WHAT WATER CAN DO. ome Wonders of the Western Power Plants. (The World Today.)

Imagine a perpendicular column of Da vater more than one-third of a mile nigh, 26 inches in diameter at the top and 24 inches in diameter at the bottom. Those remarkable conditions are complied with, as far as power St goes, in the Mill Creek plant, which operates under a head of 1,960 feet. This little column of water, which, if he capacity of 5,200 horse-power, or enough power to run a good-sized ocean-going vessel. As the water strikes the buckets of the water-wheel, of it has a pressure of 850 pounds to the square inch. What this pressure implies is evidenced by the fact that the average locomotive carries steam at a pressure of 190 to 200 pounds to the square inch. Were this steam, as it issues from the nozzle, turned upon a hillside, the earth would fade away before it like snow before a jet of steam. Huge bowlders, big as city of-fices, would tumble into ravines with as little effort as a clover burr is car-ried before the hydrant stream on a front lawn. Brick walls would crackle like paper, and the hugest skyscrapers crumble before a stream like that of the Mill Creek plant. It takes a pow- by erful waterwheel to withstand the tremendous pressure. At Butte Creek, Cal., a single jet of water, six inches diameter, issues from the nozzle a the tremendous velocity of 20,000 feet minute. It impinges on the buckets of what is said to be the most powerful ingle waterwheel ever built, causing the latter to travel at the rate of 94 miles an hour, making 400 revolutions minute. This six-inch stream has a capacity of 12,000 horse-power. The water for operating the plant is comveyed from Butte Creek through a ditch and discharged into a regulating reservoir which is 1,500 feet above the power house. Two steel pressure pipe lines, 30 inches in diameter, conduct the water to the power-house.

Disease-Carrying Insects.

State have gone to prove that this disease is transmitted by a tick (Ornithodoros savignyi) after it has infected peared recently in German newspapers. It is, however, quite premature to assume that African tick fever and European relapsing fever are due to one and the same species of Spirochaetae: in fact it is highly probable that this one species. In relapsing fever in Europe the bedbug (Cimex) has long been suspected to be a carrier of the infective agent, a probability which was considerably heightened by Karlinski's observation of motile Spirochaetae in the bodies of the insects up to 30 days after they had fed on relapsing fever blood. Schaudinn, moreover, informs us that he has observed the multiplication of the Spirochaetae obermeieri in Cimex. These observations, following closely upon those published by Marchoux and Salimbeni, are of greatest interest and practical import. The last-named authors demonstrated that a fatal disminiatus), and this is capable of conveying the disease even six months afer feeding on infected blood. These at the gates of their homes. Spirochaetae multiply in the tick, and ing the bitter cold and enduring the are present in large quantities in its These observations are very suggestive, since they demonstrate the long perriers, and render it probable that they longer. Finally, the finding this year of Spirochaeta pallida in syphilis by Schaudinn and others in man, and by An Easy Way of Making an Infallible Metschnikoff and Roux in experimentally infected apes, cannot escape a passing notice.

enting \$500,000,000; \$0,000 officers selves, sacrificed your lives in the puband laborers, whose wages amounted to lic service. The war is over. We who \$20,000,000; 125,000 miles of wire had return in triumph see signs of joy evbeen laid; 419,000 arc lamps and erywhere. But we remember that we and John P. Balch Garrison, 49, will 3.300,000,000 horse-power o. draw out the tube until only a pin the country to spend a day turning a and valor will inspire our navy, guard- ening.

SCIENTIFIC NOTES.

A splendid illustration of the increased value of manufactured iron on one side of the tube, wind may be and the raw material is found in a expected from that direction. Fine Berlin factory, where they make castiron ornaments. The fineness and deltirely at bottom of tube and the liquid icacy of these separate ornaments is so perfectly clear. Coming rain: Sub- great that 10,000 of them go to the pound and are worth by the ton \$250,-000, while the raw material of which they are made costs about \$7.50.

Early in the 17th century Dud Dudley accomplished the desirable result of smelting iron with coal, but the secret died with him and was not again chinery, lumber, cordwood, merchantestablished for 100 years.

Dr. Isadore Dyer, of New Orleans, as a whole, they run high into the milwho has made a lifelong study of lep- lions. The most conservative estimates rosy, has announced that the second put the average annual loss from forest eper whom he has completely cured fires at above \$25,000,000. More exac Consul Diederich, of Bremen, writes: has been discharged from the Lepers' "The general Post Office Department Home. The patient discharged last was gions. For example, a careful estimate of the German Imperial Government is a woman, whose name is withheld. The made on the ground after the terrific now building a wireless telegraph sta- other patient was a boy, in whom the Washington and Oregon fires of 1902 tion of monstrous height at Norddeich, disease had just developed. Other pa- showed a loss in nine days of \$12,000,which probably will be for the time tients undergoing Dr. Dyer's treatment of forest property. New being the most efficient in the world. are said to be improving.

with the right than the left ear. Men | 000.

are clearly superior in recognizing blue, The investigations of Dutton and and women are possibly superior in rec-

ognizing yellow. Todd on tick fever in the Congo Free The effect of ultra-violet rays of light on some kinds of glass is strikingly shown at high altitudes. At a mounitself with blood containing the Spiro- tain station of the Canadian Pacific

changed to brilliant purple. L. Guillet shows that aluminium disquestion refers to the Spirochaetae as per cent it becames extremely brittle.

A Japanese Memorial Day.

whole city, with a peaceful, placid trained and gentlest specimen that ever heart like that of a child, goes out to lived. Spirochaetae which is transmitted through the agency of a tick (Argas death with you, and who now return triumphant under the Imperial standard, while their families wait for them

body cavity throughout this period. with our strong foe, and while the issue of the contest was still uncertain you went before us to the grave, leaving us to envy the glory you had won by will be found to be harbored much your loyal deaths. We longed to imieign and country. Your valiant and whom was Col. Lawrence, and 22 prisvehement fighting always achieved oners. It was mustered out July 29, success. In no combat did you fail to conquer. Throughout 10 months the attack on Port Arthur continued and served in North Garolina during its the result was determined. In the Sea served in North Garolina during its A Few Figures.

The marvels detailed in a recent Government Census report puts Aladdin's luminary in the shade. In the year the census was taken there were 3,620 central electric stations, representations, representations. 18,000,000 incandescent lamps were in cannot share it with you, and mingled hold joint installation of officers at the service; the stations had an output of feelings of sadness and rejoicing strug- Garrison Hall in Newburyport, Mass. hours, gle painfully for expression. The triwhich is approximately equivalent to umph of today has been purchased by grand military ball. Col. E. W. M. he work possible were every man in your glorious deaths, and your loyalty Bailey will be guest of honor that eving the imperial land for all time. "We here perform this rite of worship to your spirits, and, speaking something of our sad thoughts, pray you to come and receive the offerings we make."

Certain as it is that fire is the greatest of forest evils, there exists comparatively little accurate knowledge on which to base an estimate of the total loss from this source. This is due no to lack of interest so much as to the immensity of the field and the complex character of the problem which the attempt to make such an estimate presents. Losses of mill and logging maable standing timber, and other prop-In the time of Edward III. iron was erty of stable market value can be The substance will lie quite low. The substance will lie closer to the tube on the opposite side to the quarter from which the storm is coming.

Jewers.

It is said it will require 1,500,000 sult becomes a rough estimate, if not a matter of mere conjecture. Nevertheless, it is indisputable that these losses loss. are enormous, and that, for the country estimates are available for limited re Many observations have convinced fered from unusually severe fires in the Cows and Women (Boston Transcript.

If it ever does come to pass that buffaloes become the farmer's next friends and do his hauling and drawing in a more intelligent and satisfactory way than oxen ever did, it will be chaetae. This has been confirmed by Railway-5,000 or 6,000 feet high- interesting to know how the women Koch, if we may rely on what has ap- green glass telephone insulators have folk take the change. Not only the farmers' wives and daughters, but the Summer boarders within his gates solves in iron to a maximum extent of Even now many of these ladies cannot 15 per cent. As long as the admixture be hired to trek through a pasture of aluminium remains below two per where the mildest old cow that ever cent it exerts no effect upon the me- lived lies under a tree half asleep chewis not the case, although the report in chanical properties of the iron. At seven ing her cud. For there has always been a feud between women and cows: no one knows where it started or which was the first offender. As the saying is, there is no love lost between them. The Japanese papers contain an ac- Of course, there are exceptions on both count of the Shinto services in honor sides. Some cows, it is perfectly plain, of the dead in the recent war. The have no prejudices against the sex, even ceremonies which took place in the at milking time, and a few women will Awoyama Cemetery, in Tokio, consist- pick their way fearlessly through a ed of placing tablets and funeral meats drove of cattle. But the ordinary wo before a shrine. Admiral Togo made a man, especially the one who spends but remarkably eloquent address to the a few weeks in the country each year, spirits of the departed heroes. It is as is persuaded, and would persuade all her friends, that a cow is an awful "The clouds of war have disappeared beast of prey, and she wouldn't trust from sea and from shore, and the herself in a five-acre lot with the best-

> The 5th Mass. Editor National Tribune: Please

give a history of the 5th Mass., and

blige-D. B. Whitcomb, Clinton, Mass. The 5th Mass, was a militia regiment, which reported for duty upon Washington April 26. Its Colonel was Samuel C. Lawrence, of Medford. It took part in the battle of Bull Run, where it lost nine killed, including the Color Sergeant; two wounded, one of and Aug. 14, 1862, was reorganized for

Army and Navy News.

Terrence McDonald, Garrison, 2 The installation will be followed by a

AND PARALYSIS CONQUERED AT LAST BY

The King Harness Co., 12 Lake St., Owego, Tioga Co., N.Y.

Consultation Free. Contingent Fees. Solicitors wanted.

Duty of Married Soldiers.

T does not follow as a matter of course, if a man was a soldier, even if he is a pensioner, that it will be an easy matter for his widow to get a pension. As a matter of fact widows' claims are unnecessarily delayed and in some cases never allowed for lack of evidence, which the husband, usually, could have supplied during his lifetime.

This important matter has been discussed, from time to time, in the columns of The National Tribune, and has been made the subject of orders by Commanders-in-Chief of the Grand Army, but every appeal heretofore was deficient in one essential particular: no safe and permanent place was suggested for the custody of the information.

The National Tribune Co., in a practical way, proposes to supply this deficiency. In a fire-proof room, in its own building and under lock and key to insure privacy, it Norddeich is also the terminus of the will care for such papers and information until such time Prussian Railway system in the exreme northwest, and a small seaport distant. The National Tribune Co. is incorporated. Havfor the Frisian Islands. The towers for ing a perpetual existence, the death of the present manathe station are to be 213.25 feet high. gers of the Company will not disturb the business or The foundations have already been change the custody of the papers. No safer place in the world can be found for the purpose.

But The National Tribune will go further in this commendable work. It will assist in getting in shape the proofs and information required. The first step for every comrade is to answer the few simple questions that are asked in the "Preliminary Report." This report will disclose the case and enable The National Tribune to complete all the proof required. There will be no charge whatever for this service, but

it will be expected of every comrade that he will call the attention of other married comrades to this matter and influence them to do likewise. No other missionary work among comrades can be productive of more good. Many comrades who are not subscribers to The National Tribune will not learn of this important service if subscribers do not call their attention to it. Extra blanks will be sent for distribution upon request. All comrades are requested to make the Preliminary Report, including those who have married since June 27.

Comrades who attend to this matter promptly will be

taking the best possible step toward securing for their

Preliminary Report

To aid my widow, if I leave one, in getting her pension.

Note.—This report is short, and can be easily written out on letter or legal cap paper. This course avoids cutting the paper. Be sure to write the names and dates clearly and distinctly. When report is ready mail it to THE NA-TIONAL TRIBUNE, Washington, D. C.

ite, 1905.	(Write above number and street, or R. F. D. No., if any.)
Soldier's Name	, Present P. O.
ate I was in the ser	vice from, 186, t
day of, 186, as a	(Give rank, also company and regiment.)
	(Give rank, also company and regiment.)
d was honorably discharged at	, on theday
, 186 Are you a pension	ner?per month
Were you pensioned under the old law or the new	(The new law is the act of June 27, 1899.)
	(The new law is the act of June 27, 1899.)
	written on your pension certificate?
	on thedav of, 18_
(Give name of clergyman or person officiating.)	, at
vas bornday of, 18	She was bornday of, 18
there a court or church record of this marriage?	
	•
a prisoner of war, state for how long	
Remarks:	•